hat this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P.O. Box 1,450

Alexandria, VA 22313 on MARCH 28, 2001

Frank C. Eisenschenk, Ph.D., Patent Attorney

SUPPLEMENTAL INFORMATION DISCLOSURE **STATEMENT Patent Application** Docket No. ARS-131 Serial No. 10/593,432

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Kinsey Maundrell

Serial No.

10/593,432

Filed

September 18, 2006

Conf. No.

9885

For

Anti-Lipid Rafts Antibodies

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97 AND 1.98

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed. However, Applicant has not submitted copies of the U.S. patents or published U.S. Patent Application cited on attached Form PTO/SB/08 pursuant to 37 CFR 1.98(a)(2)(ii).

It is respectfully requested that the references cited on the attached form PTO/SB/08 be considered in the examination of the subject application and that their consideration be made of record.

J:\ARS\131\PTO-Misc\IDS-supp.doc\DNB/bra

Applicant respectfully asserts that the substantive provisions of 37 C.F.R. §§ 1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,

Frank C. Eisenschenk, Ph.D.

Patent Attorney

Registration No. 45,332

Phone No.: 352-375-8100

Fax No.:

352-372-5800

Address:

P.O. Box 142950

Gainesville, FL 32614-2950

FCE/bra

Attachments: Form PTO/SB/08; copies of references cited therein.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB

Complete if Known Substitute for form 1449A/PTO **Application Number** 10/593,432 INFORMATION DISCLOSURE **Filing Date** September 18, 2006 STATEMENT BY APPLICANT **First Named Inventor** Kinsey Maundrell **Art Unit** (use as many sheets as necessary) **Examiner Name Attorney Docket Number** Sheet of 5 **ARS-131** 1

			U.S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-2002/0128175 A1	09-12-2002	Anantharamaiah	All
	U2	US-5,134,121	07-28-1992	Mobley et al.	All
	U3	US-5,276,059	01-04-1994	Caughey <i>et al.</i>	All
	U4	US-5,948,763	09-07-1999	Soto-Jara et al.	All
	U5	US-6,197,972 B1	03-06-2001	Heeres et al.	All
	U6	US-6,355,610 B2	03-12-2002	Chesebro et al.	All
	U7	US-6,552,922 B2	04-22-2003	Ogiwara <i>et al</i> .	All
	U8	US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	F1	WO 01/68710 A1	09-20-2001	Applied Research Systems ARS Holding N.V.	All	
	F2	WO 02/04954 A2	01-17-2002	Applied Research Systems ARS Holding N.V.	All	
	F3	WO 03/002533 A1	01-09-2003	Pfizer Products Inc.	All	
	F4	WO 03/045921 A1	06-05-2003	Fujisawa Pharmaceutical Co., Ltd.; Daiso Co., Ltd.	All	
	F5					<u> </u>
	F6					

Examiner	Date
Signature	Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449B/PTO **Application Number** 10/593,432 INFORMATION DISCLOSURE September 18, 2006 **Filing Date** STATEMENT BY APPLICANT Kinsey Maundrell **First Named Inventor Group Art Unit** (use as many sheets as necessary) **Examiner Name Attorney Docket Number ARS-131** Sheet of 5 2

	NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
	R1	AIZAWA, Y. et al. "Amino-Terminus Truncated Apolipoprotein E is the Major Species in Amyloid Deposits in Alzheimer's Disease-Affected Brains: A Possible Role for Apolipoprotein E in Alzheimer's Disease" <i>Brain Research</i> , 1997, pp. 208-214, Vol. 768.			
	R2	BARON, G. S. <i>et al.</i> "Conversion of Raft Associated Prion Protein to the Protease-Resistant State Requires Insertion of PrP-res (PrP ^{Sc}) into Contiguous Membranes" <i>The EMBO Journal</i> , 2002, pp. 1031-1040, Vol. 21, No. 5.			
	R3	BOSQUE, P. J. et al. "Cultured Cell Sublines Highly Susceptible to Prion Infection" Journal of Virology, May 2000, pp. 4377-4386, Vol. 74, No. 9.			
	R4	BRIMACOMBE, D. B. et al. "Characterization and Polyanion-Binding Properties of Purified Recombinant Prion Protein" <i>Biochem. J.</i> , 1999, pp. 605-613, Vol. 342.			
	R5	BRUCE, M. E. "Transmissions to Mice Indicate that 'New Variant' CJD is Caused by the BSE Agent" <i>Nature</i> , October 2, 1997, pp. 498-501, Vol. 389.			
	R6	BÜELER, H. <i>et al.</i> "Mice Devoid of PrP are Resistant to Scrapie" <i>Cell.</i> , July 2, 1993, pp. 1339-1347, Vol. 73.			
	R7	CHABRY, J. et al. "Specific Inhibition of in Vitro Formation of Protease-Resistant Prion Protein by Synthetic Peptides" <i>The Journal of Biological Chemistry</i> , May 22, 1998, pp. 13203-13207, Vol. 273, No. 21.			
:	R8	CHOI, S. Y. et al. "Dissociation of LPL and LDL: Effects of Lipoproteins and Anti-apoB Antibodies" Journal of Lipid Research, 1997, pp. 77-85, Vol. 38.			
	R9	COHEN, F. E. et al. "Pathologic Conformations of Prion Proteins" Annu. Rev. Biochem., 1998, pp. 793-819, Vol. 67.			
	R10	CORDEIRO, Y. et al. "DNA Converts Cellular Prion Protein into the β-Sheet Conformation and Inhibits Prion Peptide Aggregation" <i>The Journal of Biological Chemistry</i> , December 28, 2001, pp. 49400-49409, Vol. 276, No. 52.			
	R11	DEBBURMAN, S. K. et al. "Chaperone-Supervised Conversion of Prion Protein to its Protease-Resistant Form" <i>Proc. Natl. Acad. Sci. USA,</i> December 1997, pp. 13938-13943, Vol. 94.			

Examiner	Date
Signature	Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO).

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449B/PTO **Application Number** 10/593,432 INFORMATION DISCLOSURE Filing Date September 18, 2006 STATEMENT BY APPLICANT Kinsey Maundrell **First Named Inventor Group Art Unit** (use as many sheets as necessary) **Examiner Name Attorney Docket Number ARS-131** Sheet of 5

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
. =	R12	EDENHOFER, F. <i>et al.</i> "Prion Protein PrP ^c Interacts with Molecular Chaperones of the Hsp60 Family" <i>Journal of Virology</i> , July 1996, pp. 4724-4728, Vol. 70, No. 7.	
	R13_	ENARI, M. et al. "Scrapie Prion Protein Accumulation by Scrapie-Infected Neuroblastoma Cells Abrogated by Exposure to a Prion Protein Antibody" <i>PNAS</i> , July 31, 2001, pp. 9295-9299, Vol. 98, No. 16.	
	R14	FIVAZ, M. et al. "Analysis of Glycosyl Phosphatidylinositol-Anchored Proteins by Two- Dimensional Gel Electrophoresis" <i>Electrophoresis</i> , 2000, pp. 3351-3356, Vol. 21.	
	R15	HOOPER, N. M. "Detergent-Insoluble Glycosphingolipid/Cholesterol-Rich Membrane Domains, Lipid Rafts and Caveolae (Review)" <i>Molecular Membrane Biology</i> , 1999, pp. 145-156, Vol. 16.	
	R16	JIN, T. et al. "The Chaperone Protein BiP Binds to a Mutant Prion Protein and Mediates Its Degradation by the Proteasome" <i>The Journal of Biological Chemistry</i> , December 8, 2000, pp. 38699-38704, Vol. 275, No. 49.	
	R17	KANEKO, K. et al. "Evidence for Protein X Binding to a Discontinuous Epitope on the Cellular Prion Protein During Scrapie Prion Propagation" <i>Proc. Natl. Acad. Sci. USA</i> , September 1997, pp. 10069-10074, Vol. 94.	
	R18	MARTINS, V. R. et al. "Cellular Prion Protein: On the Road for Functions" FEBS Letters, 2002, pp. 25-28, Vol. 512.	
	R19	NANDI, P. K. <i>et al.</i> "DNA-Induced Partial Unfolding of Prion Protein Leads to its Polymerisation to Amyloid" <i>J. Mol. Biol.</i> , 2002, pp. 153-161, Vol. 322.	
	R20	PAN, KM. <i>et al.</i> "Conversion of α–helices into β-Sheets Features in the Formation of the Scrapie Prion Proteins" <i>Proc. Natl. Acad. Sci. USA</i> , December 1993, pp. 10962-10966, Vol. 90.	
	R21	PERETZ, D. et al. "Antibodies Inhibit Prion Propagation and Clear Cell Cultures of Prion Infectivity" Nature, August 16, 2001, pp. 739-743, Vol. 412.	
	R22	PRUSINER, S. B. "Molecular Biology of Prion Diseases" <i>Science</i> , June 14, 1991, pp. 1515-1522, Vol. 252.	

Examiner	Date
Signature	Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449B/PTO **Application Number** 10/593,432 INFORMATION DISCLOSURE September 18, 2006 **Filing Date** STATEMENT BY APPLICANT Kinsey Maundrell First Named Inventor **Group Art Unit** (use as many sheets as necessary) **Examiner Name Attorney Docket Number ARS-131** Sheet of 5

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R23	PRUSINER, S. B. "Prions" <i>Proc. Natl. Acad. Sci. USA</i> " November 1998, pp. 13363-13383, Vol. 95.	
	R24	ROOS, R. et al. "The Clinical Characteristics of Transmissible Creutzfeldt-Jakob Disease" Brain, 1973, pp. 1-20, Vol. 96.	
	R25	SABORÍO, G. P. et al. "Cell-Lysate Conversion of Prion Protein into its Protease-Resistant Isoform Suggests the Participation of a Cellular Chaperone" <i>Biochemical and Biophysical Research Communications</i> , 1999, pp. 470-475, Vol. 258.	
	R26	SCHMITT-ULMS, G. et al. "Binding of Neural Cell Adhesion Molecules (N-CAMs) to the Cellular Prion Protein" J. Mol. Biol., 2001, pp. 1209-1225, Vol. 314.	
	R27	SCOTT, M. R. et al. "Compelling Transgenetic Evidence for Transmission of Bovine Spongiform Encephalopathy Prions to Humans" <i>PNAS</i> , December 21, 1999, pp. 15137-15142, Vol. 96, No. 26.	
- "	R28	SEGREST, J. P. et al. "Structure of Apolipoprotein B-100 in Low Density Lipoproteins" Journal of Lipid Research, 2001, pp. 1346-1367, Vol. 42.	
	R29	SIMONS, K. et al. "Lipid Rafts and Signal Transduction" Nature Reviews: Molecular Cell Biology, October 2000, pp. 31-41, Vol. 1.	
	R30	SOTO, C. et al. "Prions: Disease Propagation and Disease Therapy by Conformational Transmission" TRENDS in Molecular Medicine, March 2001, pp. 109-114, Vol. 7, No. 3.	
	R31	TARABOULOS, A. et al. "Cholesterol Depletion and Modification of COOH-Terminal Targeting Sequence of the Prion Protein Inhibit Formation of the Scrapie Isoform" The Journal of Cell Biology, April 1995, pp. 121-132, Vol. 129, No. 1.	
	R32	TELLING, G. C. et al. "Transmission of Creutzfeldt-Jakob Disease from Humans to Transgenic Mice Expressing Chimeric Human-Mouse Prion Protein" <i>Proc. Natl. Acad. Sci. USA</i> , October 1994, pp. 9936-9940, Vol. 91.	
	R33	TSUI-PIERCHALA, B. A. et al. "Lipid Rafts in Neuronal Signaling and Function" TRENDS in Neurosciences, August 2002, pp. 412-417, Vol. 25, No. 8.	

[Examiner	Date
Signature	Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO). to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Complete if Known Substitute for form 1449B/PTO **Application Number** 10/593,432 INFORMATION DISCLOSURE September 18, 2006 **Filing Date** STATEMENT BY APPLICANT Kinsey Maundrell First Named Inventor **Group Art Unit** (use as many sheets as necessary) **Examiner Name Attorney Docket Number ARS-131** Sheet 5 5

	NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
	R34	WANG, X. et al. "Well-Defined Regions of Apolipoprotein B-100 Undergo Conformational Change During its Intravascular Metabolism" <i>Arterioscler Thromb Vasc Biol.</i> , May 2000, pp. 1301-1308, Vol. 20.			
-	R35	WILL, R. G. et al. "A New Variant of Creutzfeldt-Jakob Disease in the UK" The Lancet, April 6, 1996, pp. 921-925, Vol. 347.			
•	R36	YAMADA, T. et al. "Further Characterization of a Monoclonal Antibody Recognizing Apolipoprotein E Peptides in Amyloid Deposits" Annals of Clinical and Laboratory Science, pp. 276-281, Vol. 27, No. 4.			
	R37				
	R38				
	R39				
	R40		ļ		
	R41				
	R42		-		
	R43		<u> </u>		
	R44		_		
	R45				

Examiner	/Michelle Horning/	Date	06/20/2009
Signature	//viicheile Horning/	Considered	00/20/2009

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO). to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.